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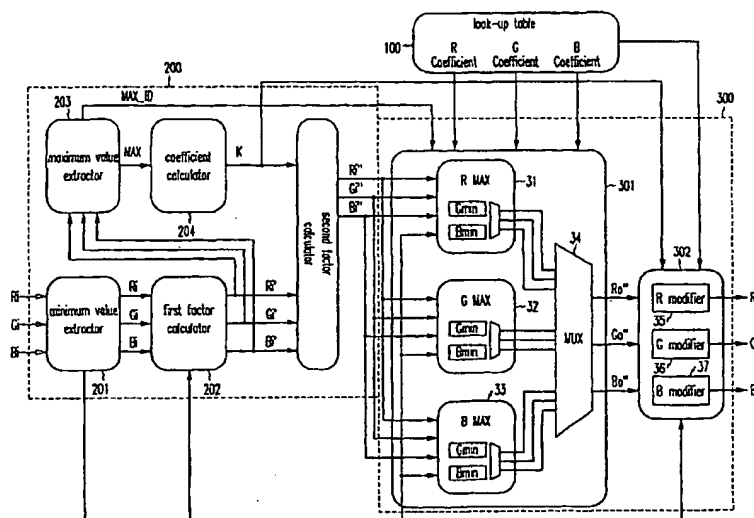
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(54) Title: COLOR CALIBRATOR FOR FLAT PANEL DISPLAY AND METHOD THEREOF



(57) **Abstract:** The present invention relates to a device and a method of color correction for a flat panel display capable of realizing color productivity compared to CRT, a broadcasting standard. The present invention divides the color coordinates of received image signals into nine subareas before color correction and stores a plurality of conversion distance information obtained by matching the divided subareas with divided subareas for reference color coordinates and corrected values for the image signals. Subsequently, the present invention converts the image signals by converting the conversion distance information by using interpolation and extracts the corrected values depending on the converted image signals to correct the image signals. Accordingly, the flat panel display according to the embodiments of the present invention displays standard broadcasting image signals with color reproducibility to a maximum color range that the flat panel display can reproduce but without distorting colors.